

Project Design Phase-II

Data Flow Diagram & User Stories

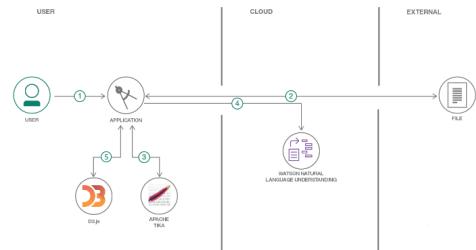
Date	11 February 2026
Team ID	LTVIP2026TMIDS50285
Project Name	ShopSmart: Your Digital Grocery Store Experience
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

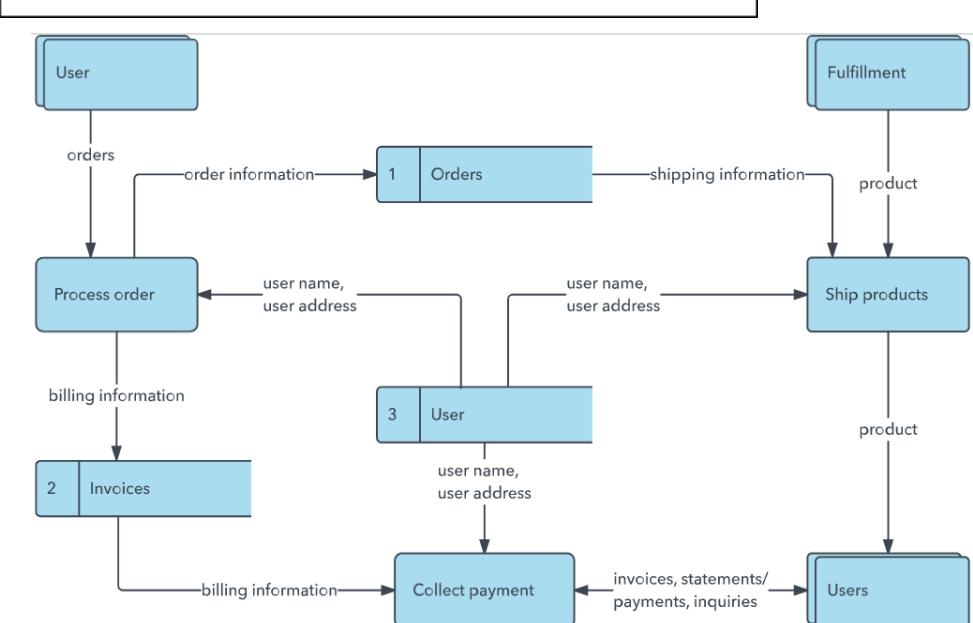
Example: (Simplified)

Flow



1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

Example: DFD Level 0 (Industry Standard)



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard					
Customer (Web user)	Registration	USN-1	As a user, I can register using name, email, and password	User account created successfully	High	Sprint-1
	Login	USN-2	As a user, I can log in using email and password	User dashboard loads after login	High	Sprint-1
	Browse Products	USN-3	As a user, I can view products by category	Products display properly	High	Sprint-1
	Add to Cart	USN-4	As a user, I can add products to cart	Product added to cart successfully	High	Sprint-1
	Place Order	USN-5	As a user, I can place an order	Order stored in database	High	Sprint-1
Customer Care Executive	View Orders	USN-6	As a user, I can view my previous orders	Order history is displayed	Medium	Sprint-2
	Update Order Status	USN-7	As a customer care executive, I can view customer orders	Order details visible	Medium	Sprint-2
	Admin Login	USN-8	As a customer care executive, I can update order status	Status updated successfully	Medium	Sprint-2
Administrator		USN-9	As an admin, I can log into admin panel	Admin dashboard loads	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Add Product	USN-10	As an admin, I can add new products	Product saved in database	High	Sprint-1
	Update Product	USN-11	As an admin, I can update product details	Product updated successfully	High	Sprint-2
	Delete Product	USN-12	As an admin, I can delete products	Product removed from database	Medium	Sprint-2
	View Orders	USN-13	As an admin, I can view all customer orders	Orders displayed correctly	High	Sprint-1